GOVERNMENT OF INDIA
COAL
LOK SABHA

UNSTARRED QUESTION NO:3549
ANSWERED ON:23.03.2017
Energy Generation from Coal
Lekhi Smt. Meenakashi

Will the Minister of COAL be pleased to state:

(a) the percentage of industries dependent on coal as their primary source of power;

(b) the energy generated from per kg. of different grades of coal; and

(c) the quantum of different grades of coal mined on an average during each of the last three years and the current year?

Answer

MINISTER OF STATE (I/C) IN THE MINISTRY OF COAL, POWER, NEW AND RENEWABLE AND MINES

(SHRI PIYUSH GOYAL)

(a): The relative percentage demand of coal from various industries using coal, in the year 2015-16 is as under:

Sector/Industry Estimated Demand Quantity (in Million Tonne) Share (as percentage of total demand)
Coking Steel+ Coke Oven 53.91 6.56
Power (Utility) 559.13 67.99
Power (Captive) 85.15 10.35
Cement 32.27 3.92
Steel DRI 22.90 2.79
Others 69.00 8.39
Total 822.36 100%

(b): Non-coking coal in the country has been categorised into 17 grades (G1 to G17) based on energy content in terms of Gross Calorific Value (GCV) exceeding 2200 Kilo Calories per Kilo Gram of coal. Grade-wise range of heat energy potential per kilogram of coal is tabled below:

Grade Range of heat energy potential of 1 Kg Coal (in Kilo Calories) Grade Range of heat energy potential of 1 Kg Coal (in Kilo Calories)
G1 Exceeding 7000 G10 Exceeding 4300 but not exceeding 4600
G2 Exceeding 6700 but not exceeding 7000 G11 Exceeding 4000 but not exceeding 4300
G3 Exceeding 6400 but not exceeding 6700 G12 Exceeding 3700 but not exceeding 4000
G4 Exceeding 6100 but not exceeding 6400 G13 Exceeding 3400 but not exceeding 3700
G5 Exceeding 5800 but not exceeding 6100 G14 Exceeding 3100 but not exceeding 3400
G6 Exceeding 5500 but not exceeding 5800 G15 Exceeding 2800 but not exceeding 3100
G7 Exceeding 5200 but not exceeding 5500 G16 Exceeding 2500 but not exceeding 2800
G8 Exceeding 4900 but not exceeding 5200

G17
Exceeding 2200 but not exceeding 2500
G9 Exceeding 4600 but not exceeding 4900

(c): Quantity of coal mined (in Million Tonne) in the last three years is given in the table below:

Grade 2013-14 2014-15 2015-16
Coking Coal
Steel-I 0.061 0.050 0.037
Steel-II 0.604 0.456 1.051
SC-1 0.135 0.130 0.135
Wash-I 0.145 0.115 0.415
Wash-II 2.042 2.228 2.493
Wash-III 12.616 12.335 12.968
Wash-IV 40.962 42.132 43.788
SLV1 0.253 0.000 0.000
Total Coking Coal 56.818 57.446 60.887

Non-coking Coal
G1 6.130 2.740 3.831
G2 0.416 0.565 0.341
G3 5.374 5.469 5.189
G4 21.526 19.025 17.665
G5 13.236 14.789 16.302
G6 17.714 22.680 13.114
G7 35.837 37.838 39.038
G8 28.273 30.523 33.150
G9 57.003 52.704 44.579
G10 55.405 64.411 82.855
G11 126.328 130.703 147.460
G12 56.372 79.169 90.578
G13 68.984 76.348 77.619
G14 4.556 5.054 1.439
G15 3.858 3.806 4.073
G16 3.093 2.627 0.418
G17 4.786 3.258 0.666
UNG 0.056 0.024 0.026
Total Non Coking Coal 508.947 551.733 578.343
Total Coal 565.765 609.179 639.230

The grade-wise details of the all India coal production data for 2016-17 is compiled by Coal Controller Organisation at the end of the financial year. The total coal production in 2016-17 (up to the month of February 2017) is 582.195 Million Tonne which is 2.6% more than the last year production for the same time period.

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